

## California Weather-Hydro Conditions during February 2011

As of March 1, 2011, statewide hydrologic conditions were as follows: precipitation, 125 percent of average to date; runoff, 100 percent of average to date; snow water equivalent, 125 percent of average for the date (110 percent of the April 1 average); and reservoir storage, 110 percent of average for the date. Sacramento River Region unimpaired runoff observed through February 28, 2011 was about 7.7 million acre-feet (MAF), which is about 92 percent of average. For comparison, on February 28, 2010, the observed Sacramento River Region unimpaired runoff through that date was about 5.6 MAF, or about 67 percent of average.

The first half of February was very dry and warm. In contrast, the second half of the month was very wet and cold. On March 1, the Northern Sierra 8-Station Precipitation Index Water Year total was 42.3 inches, which is about 121 percent of the seasonal average to date and 85 percent of an average water year (50.0 inches). During February, the total precipitation for the 8-Stations was 8.3 inches, which is about 104 percent of the monthly average. Last year on February 28, the seasonal total for the 8-Stations was 34.3 inches, or about 99 percent of average for the date.

On March 1, the San Joaquin 5-Station Precipitation Index Water Year total was 41.9 inches, which is about 152 percent of the seasonal average to date and 103 percent of an average water year (40.8 inches). During February, the total precipitation for the 5-Stations was 6.9 inches, or about 100 percent of the monthly average. Last year on February 28, the seasonal total for the 5-Stations to date was 29.4 inches, or about 107 percent of average for the date.

Selected Cities Precipitation Accumulation as of 02/28/2011 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2010 - 2011 (in inches)	% Avg	Jul 1 to Date 2009 - 2010 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2010 - 2011
Eureka	26.42	97	24.87	92	69
Redding	21.87	93	22.64	97	65
Sacramento	14.45	109	14.36	108	81
San Francisco	14.99	100	15.17	101	75
Fresno	11.48	152	9.00	119	102
Bakersfield	8.14	193	5.44	129	125
Los Angeles	13.26	137	10.89	112	101
San Diego	10.51	142	7.99	108	98

Key Reservoir Storage (1,000 AF) as of 02/28/2011								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,891	1,851	102	2,448	77	---	557
Shasta Lake	Sacramento	3,784	3,370	112	4,552	83	-294	768
Lake Oroville	Feather	2,684	2,523	106	3,538	76	-282	854
New Bullards Bar Res	Yuba	690	622	111	966	71	-106	276
Folsom Lake	American	613	554	111	977	63	-6	364
New Melones Res	Stanislaus	1,694	1,440	118	2,420	70	-276	726
Don Pedro Res	Tuolumne	1,639	1,435	114	2,030	81	-51	391
Lake McClure	Merced	705	536	132	1,025	69	30	320
Millerton Lake	San Joaquin	407	345	118	520	78	-4	113
Pine Flat Res	Kings	687	533	129	1,000	69	60	313
Isabella	Kern	203	180	113	568	36	-42	365
San Luis Res	(Offstream)	2,006	1,759	114	2,039	98	---	33

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for March 2011, issued February 28, 2011, suggests above average rainfall for Northern California. No tendency for above or below average rainfall is suggested Central California. Below average rainfall is indicated for the southern portion of the State.